

Abbreviations:

A/C

AIR CONDITIONING

ACT

ACTING

ALT.

ALTERNATE

APPROX.

APPROXIMATE

BD

BOARD

BLDG

BUILDING

BLK

BLOCK

BLKG

BLOCKING

BOT

BOTTOM

BVS

BUILT STANDARD

BU

BUILT UP

CAB

CABINET

CLG

CEILING

CLR

CLEARANCE

CLM

COLUMN

CONC

CONCRETE

CONT

CONTINUOUS

CORR

CORRIDOR

CPT

CARPET

CEM

CERAMIC TILE

CTR

CENTER

DEMO

DEMOLITION

DTL

DETAIL

DF

DRINKING FOUNTAIN

DIA

DIAMETER

DIM

DIMENSION

DN

DOWN

DOOR

DOOR

DRW

DRAWING

DRWR

DRAWER

E

EAST

EA

EACH

EL

ELEVATION

ELC

ELECTRICAL

ELEV

ELEVATOR

EQ

EQUAL

EQUIP

EQUIPMENT

EST

ESTIMATE

EXIST

EXISTING

EXP

EXPANSION

FEC

FIRE EXTINGUISHER CABINET

FF

FACTORY FINISH

FH

FULL HEIGHT

FIN

FINISHED

FIN

FLOOR

FLUOR

FLOURESCENT

FOC

FURNISH BY OWNER,  
INSTALL BY CONTRACTOR

FOS

FACE OF STUD(S)

FOC

FACE OF CONCRETE

FOF

FACE OF FINISH

FUR

FURRED/FURRING

GA

GUAGE

GC

GENERAL CONTRACTOR

GL

GLASS/GLAZING

GWB

GYPSUM WALL BOARD

GWB

GYPSUM WALL BOARD

HC

HOLLOW CORE

HCR

HANDICAPPED

HDR

HEADER

HWR

HARDWARE

HM

HOLLOW METAL

HORZ

HORIZONTAL

HR

HEIGHT

HT

HEAT

HVAC

HEATING VENTILATING  
AIR CONDITIONING

INSUL

INSULATION

JAN

JANITOR

JT

JOINT

KIT

KITCHEN

LAM

LAMINATE(D)

LAV

LAVATORY

LH

LEFT HAND

MAX

MAXIMUM

MECH

MECHANICAL

MTL

METAL

MEZ

MEZZANINE

MFR

MANUFACTURER(S)

MIN

MINIMUM

MISC

MISCELLANEOUS

MNT

MOUNTED

MUL

MILLION

N

NORTH

NIC

NOT IN CONTRACT

NTS

NOT TO SCALE

OA

OVERALL

OC

ON CENTER

OD

OUTSIDE DIAMETER

OPPOSITE

OPPOSITE HAND

OPNG

OPENING

P-LAM

PLASTIC LAMINATE

PNL

PANEL

PR

PAIR

PTN

PARTITION

RAD

RADIUS

RB

RESILIENT BASE

REF

RESILIENT TILE

RT

REFERENCE

REFR

REFRIGERATOR

RENF

REINFORCING

REQ

REQUIRED

REV

REVISION

RH

RIGHT HAND

RM

ROOM

RO

ROUGH OPENING

S

SOUTH

SC

SOLID CORE

SCAL

SCALE

SEC

SECTION

SMT

SHEET

SH

SHIMMER

SPC

SPECIFICATION

SQ

SQUARE

SS

STAINLESS STEEL

STL

STEEL

STOR

STORAGE

STRUC

STRUCTURAL

SUSP

SUSPENDED

TEL

TELEPHONE

TEMP

TEMPERED

TFTI

TENANT FURNISHED  
& TENANT INSTALLED

THK

THICKNESS(S)

THRESH

THRESHOLD

TV

TELEVISION

TYP

TYPICAL

UNFIN

UNFINISHED

UNO

UNLESS NOTED OTHERWISE

VCT

VINYL COMPOSITION TILE

VENE

VENEER

VERT

VERTICAL

VEST

VESTIBULE

VFT

VERIFY

VNC

VINYL WALL COVERING

W

WEST/WIDE

W/

WITH

WO

WOOD

W/O

WITHOUT

WT

WEIGHT

General Notes:

1. REFER TO BASIC BUILDING SPECIFICATIONS, REQUIREMENTS AND STANDARDS FOR EXISTING SHELL AND CORE CONSTRUCTION. ALL WORK IS TO BE COMPATIBLE WITH EXISTING CONSTRUCTION.

2. ALL WORK SHALL CONFORM TO APPLICABLE CURRENT FEDERAL, STATE AND LOCAL CODES. THE CONTRACTOR IS TO PROVIDE FOR ALL REQUIRED NOTIFICATION OF AND COORDINATION WITH CITY AND STATE AGENCIES, AND PROVIDE REQUIRED PERMITS. ALL TESTS AND INSPECTIONS ASSOCIATED WITH OBTAINING APPROVALS TO PROCEED WITH AND COMPLETE THE WORK SHALL BE PAID FOR BY THE CONTRACTOR.

3. THE INTENT OF THE CONTRACT DOCUMENTS IS TO INCLUDE ALL LABOR AND MATERIALS, EQUIPMENT AND TRANSPORTATION NECESSARY OR REASONABLY INFERRABLE AS BEING NECESSARY FOR THE EXECUTION OF THE WORK. BY SUBMITTING A PROPOSAL, THE CONTRACTOR REPRESENTS THAT THOROUGH EXAMINATION OF THE SITE AND ALL EXISTING CONDITIONS AND LIMITATIONS HAVE BEEN MADE AND THAT THE CONTRACT DOCUMENTS HAVE BEEN EXAMINED IN COMPLETE DETAIL, AND THAT IT IS DETERMINED BEYOND DOUBT THAT THE DRAWINGS, SPECIFICATIONS AND EXISTING CONDITIONS ARE SUFFICIENT, ADEQUATE AND SATISFACTORY FOR CONSTRUCTION OF THE WORK. WHERE MINOR ADJUSTMENTS TO THE WORK ARE NECESSARY FOR THE PURPOSES OF FABRICATION AND INSTALLATION OF ITEMS, OR RESOLUTIONS OF CONFLICTS BETWEEN ITEMS, WITHIN THE INTENT OF THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL MAKE SUCH ADJUSTMENTS AT NO ADDED EXPENSE TO THE OWNER. WHERE SUCH MINOR ADJUSTMENTS AFFECT FUNCTIONAL OR AESTHETIC DESIGN OF THE WORK, THEY SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL.

4. THE CONTRACTOR SHALL COORDINATE ALL OPERATIONS WITH THE OWNER, INCLUDING AREA FOR WORK, MATERIALS STORAGE, AND ACCESS TO AND FROM THE WORK, SPECIAL CONDITIONS OR NOISY WORK, TIMING OF WORK AND INTERRUPTION OF MECHANICAL AND ELECTRICAL SERVICES. NOISY OR DISRUPTIVE WORK SHALL BE SCHEDULED AT LEAST ONE (1) WEEK IN ADVANCE OF THE TIME WORK IS TO COMMENCE.

5. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HIGHEST STANDARD OF WORKMANSHIP IN GENERAL AND WITH SUCH STANDARDS AS ARE SPECIFIED.

6. CONTRACTOR SHALL ADHERE TO ALL BUILDING STANDARDS. ANY CHANGES TO SAME SHALL BE SUBMITTED TO ARCHITECT IN WRITING FOR APPROVAL.

7. CONTRACTOR SHALL SUBMIT SAMPLES OF ALL FINISHES OF SUCH SIZE AND NUMBER THAT THEY REPRESENT A REASONABLE DISTRIBUTION OF COLOR RANGES AND PATTERN PRIOR TO INSTALLATION FOR ARCHITECT'S APPROVAL. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS AND PRODUCT DATA FOR ARCHITECT'S APPROVAL ON ALL SPECIAL ITEMS REQUIRING CUSTOM FABRICATION. (SHALL INCLUDE RATED FIRE DOORS AND HARDWARE).

8. CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND NOTIFY ARCHITECT OF ANY DISCREPANCIES. CONTRACTOR IS NOT TO SCALE OFF DRAWINGS.

9. CONTRACTOR SHALL PROVIDE 18-GAUGE SHEET METAL BACKING IN PARTITIONS FOR ALL WALL-MOUNTED FIXTURES AND DEVICES UNLESS INDICATED OTHERWISE ON THE DRAWINGS.

10. ALL FLOORS SHOULD BE LEVEL AND NOT VARY MORE THAN 1/4" IN 10'-0". THE CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY CONDITIONS THAT DO NOT MEET THIS STANDARD.

11. ALL MATERIALS INDICATED TO MATCH EXISTING SHALL DO SO WITH RESPECT TO SIZE, SHAPE, COLOR, TEXTURE, PATTERN, QUALITY AND METHOD OF INSTALLATION INsofar AS PRACTICABLE AND SHALL BE APPROVED BY THE ARCHITECT BEFORE USE.

12. ALL FIREPROOFING DISTURBED DURING CONSTRUCTION SHALL BE REPLACED TO MATCH ORIGINAL FIRE PROTECTION LEVELS. (OBTAIN REQUIRED APPROVALS AND TESTING).

13. THE FLOORS MAY BE OCCUPIED DURING CONSTRUCTION. THE CONTRACTOR SHALL PROTECT ALL PERSONNEL, PASSENGERS OR VISITORS TO THE SITE FROM HARM AND INJURY. BARRIERS SHALL BE INSTALLED AS REQUIRED TO PROTECT EQUIPMENT INSTALLED DURING CONSTRUCTION. CAREFULLY MAINTAIN AND PROTECT MONUMENTS, BENCH MARKS AND THEIR REFERENCE POINT FROM BEING DESTROYED OR DISTURBED; REPLACE AS REQUIRED.

14. EXISTING WORK DAMAGED AS A RESULT OF WORK DONE UNDER THIS CONTRACT SHALL BE REPAIRED TO ORIGINAL CONDITION AND FINISHED TO MATCH ADJACENT FINISHES. SUBJECT TO ARCHITECT'S APPROVAL, AND AT NO ADDITIONAL COST TO OWNER, ALL REPLACEMENT MATERIALS REQUIRED TO MATCH EXISTING MATERIALS SHALL DO SO WITH RESPECT TO TYPE, PATTERN, TEXTURE, SIZE, SHAPE, COLOR AND METHOD OF INSTALLATION INsofar AS PRACTICABLE, AND SHALL BE APPROVED BY THE ARCHITECT AND OWNER PRIOR TO INSTALLATION.

15. ALL EXISTING MECHANICAL AND ELECTRICAL EQUIPMENT AND SERVICES DISRUPTED OR REMOVED DURING CONSTRUCTION SHALL BE RESTORED AND REPLACED UNLESS NOTED OTHERWISE. FIRE/LIFE SAFETY SYSTEMS TO BE MAINTAINED DURING CONSTRUCTION.

16. INSTALLATION OF MECHANICAL, ELECTRICAL AND STRUCTURAL SYSTEMS WILL REQUIRE OPENING OF SOME EXISTING WALLS, CEILINGS OR FLOOR CAVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF THESE OPENINGS TO MATCH EXISTING, EXCEPT WHERE NOTED OTHERWISE. FILL ALL HOLES AND VOIDS IN FLOORS, WALLS AND CEILINGS WHICH RESULT FROM INSTALLATION OF WORK, AND REMOVAL OF EXISTING MATERIALS AND EQUIPMENT REQUIRED BY THIS CONTRACT. PATCHED AREAS SHALL MATCH THE MATERIALS, FINISHES, AND LEVELS ADJACENT, OR SHALL BE PUT IN THE PROPER CONDITION TO RECEIVE THE FINISH INDICATED.

17. OPENINGS REQUIRED FOR NEW WORK THAT PENETRATES EXISTING STRUCTURE SHALL BE COORDINATED WITH OWNER PRIOR TO COMMENCING THE WORK. ANY OPENING OVER 2" IN DIAMETER SHALL BE REVIEWED AND APPROVED BY OWNER. THROUGH CONCRETE SLABS OR WALLS, OR MASONRY WALLS, ALL ROUND HOLES SHALL BE CORE DRILLED WITH A DIAMOND DRILL AND ALL RECTANGULAR OPENINGS SHALL BE CUT WITH A DIAMOND SAW. IN NO CASE SHALL ANY STRUCTURAL MEMBER BE CUT. USE CARBIDE-TIPPED DRILLS FOR GYPSUM WALLBOARD PARTITIONS. KEEP OVERCUTTING TO A MINIMUM. MAINTAIN CONTINUITY AND INTEGRITY OF FIRE SEPARATION AT ALL TIMES. GROUT AROUND CONDUITS PASSING THROUGH CONCRETE WALLS AND FLOORS AND MASONRY WALLS. MAKE PATCHES WITH NEAT, TRIMMED EDGES; MATCH ADJACENT EXISTING WORK.

18. CONTRACTOR SHALL PROVIDE FLOOR LEVELING AS MAY BE REQUIRED AT SLIDING DOORS, RELITES WITHOUT BASE, CABINET WALLS, AND OTHER LOCATIONS REQUIRING LEVEL SUBSTRATE. FEATHER CHANGES IN ELEVATION OVER SUFFICIENT AREA TO LIMIT TRANSITION SLOPE TO 1/8" PER FOOT.

19. MATERIALS, ARTICLES, DEVICES AND PRODUCTS ARE SPECIFIED IN THE DOCUMENTS BY LISTING ACCEPTABLE MANUFACTURERS OR PRODUCTS REQUIRING COMPLIANCE WITH REFERENCED STANDARDS, OR BY PERFORMANCE SPECIFICATIONS. FOR ITEMS SPECIFIED BY NAME, SELECT ANY PRODUCT NAMED. FOR THOSE SPECIFIED BY REFERENCE STANDARDS OR BY PERFORMANCE SPECIFICATIONS SELECT ANY PRODUCT MEETING OR EXCEEDING SPECIFIED CRITERIA. FOR APPROVAL OF AN ITEM NOT SPECIFIED, SUBMIT REQUIRED SUBMITTALS, PROVIDING COMPLETE BACK-UP INFORMATION FOR PURPOSES OF EVALUATION. WHERE BUILDING STANDARD ITEMS ARE CALLED FOR, NO SUBSTITUTE WILL BE ACCEPTED.

20. CONTRACTOR SHALL PROVIDE FOR ALL WORK REQUIRED TO MAINTAIN COMPLIANCE WITH LOCAL FIRE CODE. PROVIDE FOR ALL REQUIRED SHOP DRAWINGS AND APPROVALS. CONTRACTOR IS RESPONSIBLE FOR PROVIDING FIRE ALARM SYSTEM AUDIBILITY.

21. MECHANICAL AND ELECTRICAL FIXTURES, OUTLETS, ETC., WHEN SHOWN ON THE ARCHITECTURAL DRAWINGS, ARE FOR LOCATION INFORMATION ONLY. MECHANICAL AND ELECTRICAL TO BE DESIGNED BY OTHERS. ALL CIRCUITING COORDINATION TO BE BY OTHERS.

22. CONTRACTOR IS TO PROVIDE DRAWINGS FOR ARCHITECT'S APPROVAL SHOWING LOCATIONS OF ALL HVAC THERMOSTATS, GRILLES AND DIFFUSERS, FIRE AND SMOKE DETECTION DEVICES INCLUDING SPRINKLERS, SMOKE DETECTORS, FIRE EXTINGUISHERS AND HOSE CABINETS, PLUMBING AND PLUMBING EQUIPMENT.

23. ANY CHANGE IN LIGHT FIXTURE PLACEMENT DUE TO INTERFERENCE OF MECHANICAL OR STRUCTURAL COMPONENTS MUST BE APPROVED BY THE ARCHITECT.

24. ALL PERMITS INCLUDING FIRE, MECHANICAL, AND ELECTRICAL TO BE FILED SEPARATELY.

Demolition Notes:

1. OBTAIN DEMOLITION PERMITS AND INCLUDE ALL COSTS OF SAME IN CONTRACT PRICE.

2. FURNISH ALL LABOR AND MATERIALS/EQUIPMENT TO COMPLETE DEMOLITION AND REMOVAL OF ALL ITEMS AS INDICATED.

3. CONTRACTOR SHALL KEEP CONSTRUCTION AREA FREE OF DUST AND DEBRIS FOR THE DURATION OF CONSTRUCTION.

4. IF ANY QUESTIONS ARISE AS TO THE REMOVAL OF ANY MATERIAL, CLARIFY THE POINT IN QUESTION WITH THE ARCHITECT BEFORE PROCEEDING.

5. AT COMPLETION OF DEMOLITION WORK, THE CONSTRUCTION AREA(S) SHALL BE LEFT IN "BROOM CLEAN" CONDITION. ALL DEBRIS AND MISCELLANEOUS MATERIAL SHALL BE REMOVED.

6. ALL DEBRIS REMOVAL SHALL BE PERFORMED IN ACCORDANCE WITH BUILDING MANAGEMENT REQUIREMENTS AND PROCEDURES.

7. AS DIRECTED BY BUILDING MANAGEMENT, ALL DOORS, FRAMES, HARDWARE, MECHANICAL ITEMS, PLUMBING FIXTURES, LIGHT FIXTURES (INCLUDING DOWNLIGHTS AND FLUORESCENTS), AND SPECIAL EQUIPMENT SHOWN TO BE REMOVED, SHALL BE CLEAN AND FREE OF DEFECTS, PROTECTED, SAVED AND REUSED AS DIRECTED HEREIN, OR RETURNED TO BUILDING STOCK.

8. IN PARTITIONS TO BE REMOVED, REMOVE AND CAP ALL OUTLETS, SWITCHES, WIRES, THERMOSTATS, ETC., TO THEIR SOURCE.

9. CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING AND/OR REPAIRING ANY DAMAGE CAUSED BY HIM OR HIS SUBCONTRACTORS TO EXISTING CONSTRUCTION IN ELEVATOR LOBBY, PUBLIC CORRIDORS, RESTROOMS OR TENANT SPACES. REFRESH TO MATCH EXISTING ADJACENT FINISH, OR AS NOTED HEREIN.

10. NO EXISTING SMOKE DETECTOR, PUBLIC ADDRESS SPEAKER, FIRE ALARM BOX OR SIMILAR DEVICE, INCLUDING THE ASSOCIATED WIRING SHALL BE DAMAGED DURING DEMOLITION AND SUBSEQUENT CONSTRUCTION. RELOCATION OF SMOKE DETECTORS, PUBLIC ADDRESS SPEAKERS AND FIRE ALARM EQUIPMENT, NECESSITATED BY NEW CONSTRUCTION, SHALL BE ACCOMPLISHED AS A FIRST PRIORITY, AND PER THE PLANS. NO ACTIVE SMOKE DETECTOR SHALL BE COVERED OR OTHERWISE REMOVED OR USED FOR OTHER THAN ITS INTENDED PURPOSE.

11. REMOVAL OF ANY EQUIPMENT, CABLING SWITCHES, AND CONDUIT PERTAINING TO DATA/COMMUNICATIONS AND TELEPHONE SHALL BE VERIFIED WITH TELEPHONE COMPANIES AND TENANT.

12. REMOVE ALL EXISTING MATERIALS WHICH WOULD CAUSE RISES OR DEPRESSIONS IN NEW FLOORING SURFACE, SUCH AS FASTENERS, OUTLET CORES, COVER PLATES, RESILIENT FLOOR COVERINGS, CARPET, CARPET PAD, FLASH PATCH, CONCRETE FILL, PLYWOOD, ETC.

13. DEMOLITION IS NOT NECESSARILY LIMITED TO WHAT IS SHOWN ON DRAWINGS. THE INTENT IS TO INDICATE THE GENERAL SCOPE OF DEMOLITION REQUIRED TO COMPLETE THE WORK IN ACCORDANCE WITH THE CONTRACT DRAWINGS.

14. RATED WALLS SHALL NOT BE PENETRATED UNLESS THE RATING IS MAINTAINED.

15. DISPOSAL: ALL DEBRIS REMOVED FROM THE SITE SHALL BE RECYCLED AS MUCH AS PRACTICAL AND ALLOWED BY LAW.

Dimension Notes:

1. DO NOT SCALE DRAWINGS, WRITTEN DIMENSIONS GOVERN. ALL PARTITION LOCATIONS SHALL BE AS SHOWN ON PARTITION PLAN. IN CASE OF CONFLICT NOTIFY ARCHITECT. PARTITION PLAN BY ARCHITECT TAKES PRECEDENCE OVER ALL OTHER PLANS.

2. ALL PARTITIONS ARE DIMENSIONED FROM FINISH FACE OF GYPSUM BOARD TO FINISH FACE OF GYPSUM BOARD UNLESS OTHERWISE NOTED. ALL DIMENSIONS MARKED "CLEAR" OR "CLR" SHALL BE MAINTAINED AND SHALL ALLOW FOR THICKNESSES OF ALL WALL FINISHES. U.N.O.

3. DIMENSIONS NOTED "CLEAR" OR "CLR" MUST BE ACCURATELY MAINTAINED, AND SHALL NOT VARY MORE THAN ± 1/8" WITHOUT WRITTEN INSTRUCTION FROM ARCHITECT.

4. DIMENSIONS MARKED ± MEAN A TOLERANCE NOT GREATER NOR SMALLER THAN 2 INCHES FROM INDICATED DIMENSION. U.N.O. VERIFY FIELD DIMENSIONS EXCEEDING TOLERANCE WITH THE ARCHITECT. SECURE ARCHITECT'S APPROVAL.

5. NOTIFY ARCHITECT IN WRITING OF ANY DISCREPANCIES OR CONFLICTS IN THE LOCATION(S) OF NEW CONSTRUCTION. UPON COMPLETION OF PARTITION LAYOUT, NOTIFY ARCHITECT. VERIFICATION OF THE LAYOUT TO BE PROVIDED BY THE ARCHITECT PRIOR TO PARTITION INSTALLATION.

6. REFER TO REFLECTED CEILING PLANS FOR SOFFITS, CEILING HEIGHTS AND PLENUM BARRIER LOCATIONS.

7. DIMENSIONS LOCATING DOORS ARE TO THE INSIDE EDGE OF JAMB. U.N.O.

8. "ALIGN" MEANS TO ACCURATELY LOCATE FINISHED FACES IN THE SAME PLANE.

9. ALL DOORS SHALL HAVE 1'-6" CLR. ON STRIKE/PULL SIDE AND 1'-0" CLR. ON PUSH SIDE OF DOOR. VERIFY AND ADVISE ARCHITECT OF EXCEPTIONS PRIOR TO CLOSING OUT PARTITIONS.

Electrical Notes:

1. FURNISH AND INSTALL ALL FIXTURES, ASSOCIATED TRIM AND FIXTURE LAMPS AS REQUIRED. ONLY NEW OUTLETS /FIXTURES ARE SHOWN. ALL EXISTING OUTLETS UNAFFECTED BY CONSTRUCTION ARE TO REMAIN AND ARE TO BE INTEGRATED INTO THE CURRENT SCHEME WHERE POSSIBLE.

2. SURVEY FIELD CONDITIONS AND VERIFY THAT WORK IS FEASIBLE AS SHOWN. VERIFY LOCATION OF ALL OUTLETS IN RELATION TO STRUCTURAL AND OTHER ELEMENTS AS REQUIRED. NOTIFY ARCHITECT IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK.

3. ARCHITECTURAL DRAWINGS DETERMINE LOCATION AND TYPE (ARCHITECT TO VERIFY W/ ENGINEER) OF ALL OUTLETS AND TAKE PRECEDENCE OVER ALL OTHERS. U.N.O. ELECTRICAL ENGINEER'S POWER PLAN SHALL GOVERN THE WIRING LAYOUT AND INSTALLATION IN COMPLIANCE WITH ALL LAWS APPLICABLE AND ENFORCED BY GOVERNING AUTHORITIES.

4. OUTLETS SHOWN BACK TO BACK ON PARTITION WALLS SHALL BE OFFSET 1'-0", MAXIMUM, OR MOUNTED AT DIFFERENT HEIGHTS IF INDICATED.

5. FURNITURE, IF SHOWN, IS FOR REFERENCE ONLY AND IS NOT IN CONTRACT. U.N.O.

6. COORDINATE ALL WORK RELATED TO EQUIPMENT WITH MANUFACTURER'S RECOMMENDATIONS, SPECIFICATIONS AND INSTRUCTIONS.

7. ALL EXISTING AND NEW FLOOR SLAB PENETRATIONS FOR CONDUIT OR PLUMBING LINES SHALL BE FULLY PACKED & SEALED IN ACCORDANCE WITH THE APPLICABLE BUILDING AND FIRE CODES.

8. COORDINATE NEW ELECTRICAL WITH EXISTING, WHERE OCCURS.

9. UPON COMPLETION OF OUTLET LAYOUT, NOTIFY THE ARCHITECT. ARCHITECT SHALL SITE VERIFY ALL OUTLET LOCATIONS PRIOR TO COMMENCEMENT OF CORING OR OUTLET INSTALLATION.

10. FURNISH AND INSTALL ONLY UNDERWRITERS LABORATORIES, INC. (UL) LABELLED DEVICES THROUGHOUT.

11. INSTALL WALL MOUNTED OUTLETS 18 INCHES ABOVE FINISHED FLOOR. U.N.O. HEIGHTS SHALL BE DETERMINED FROM FINISHED FLOOR TO THE CENTERLINE OF COVERPLATE, INSTALLED VERTICALLY, GROUNDING POLE AT BOTTOM. U.N.O.

12. MAINTAIN A 4-INCH HORIZONTAL CLEARANCE IN ALL DIRECTIONS, MIN. FROM EDGE OF COVERPLATE, FOR WALL MOUNTED OUTLETS, OR FROM EDGE OF MONUMENT FOR FLOOR MOUNTED OUTLETS, WHEN ADJACENT TO A WALL, COLUMN, OR SIMILAR ELEMENTS. U.N.O.

13. INDICATED DIMENSIONS ARE TO THE CENTER OF THE COVERPLATE OR MONUMENT; CLUSTERS OF OUTLETS ARE DIMENSIONED TO THE CENTER OF THE CLUSTER. U.N.O.; GANG COVERPLATES SHALL BE ONE-PIECE TYPE. U.N.O.

14. ELECTRICAL SWITCH AND OUTLET COVER PLATES, SURFACE HARDWARE, ETC. SHALL BE INSTALLED AFTER PAINTING AND/OR APPLICATION OF WALLCOVERINGS & CARPET SPECIFIED.

15. POWER/DATA/TELEPHONE REQUIREMENTS FOR OPEN OFFICE WORKSTATIONS TO BE PROVIDED WITH FURNITURE INSTALLATION DRAWINGS--BY OTHERS.

16. THE FURNITURE ELECTRICAL IS AN 8-WIRE SYSTEM. ALL ELECTRICAL FEEDS TO ANY OF THE PRODUCT MUST BE IN AN 8-WIRE CONFIGURATION.

17. "H" INDICATES THAT AN OUTLET SHALL BE MOUNTED HORIZONTALLY.

18. VERIFY NEW FLUSH FLOOR OUTLET LOCATIONS WITH FURNITURE LAYOUT PRIOR TO INSTALLATION.

19. ALL SWITCHES AND DIMMERS SHALL BE LOCATED 46" ABOVE FINISHED FLOOR TO CENTER OF SWITCH. U.N.O. MULTIPLE SWITCHES AT ONE LOCATION SHALL BE GANGED TOGETHER AND FINISHED WITH ONE COVER PLATE U.N.O.

Door Notes:

1. ALL EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.

2. ALL GLAZING SHALL CONFORM TO SAFETY GLAZING REQUIREMENTS OF IBC SECTION 2406.

3. MAGNETIC HOLD OPEN DEVICES SHALL BE TIED TO BUILDING FIRE ALARM SYSTEM.

4. ALL RATED DOORS TO BE LABELED PER IBC TABLE 715.3.

5. THRESHOLDS AT DOORWAYS SHALL BE 1" MAXIMUM IN HEIGHT. PER ICC/ANSI A117.1-2003 SECTION 404.2.4.

6. ICC/ANSI A117.1-2003 SECTION 404.2.6. DOOR HARDWARE. HANDLES, PULLS, LATCHES, LOCKS & OTHER OPERABLE PARTS ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND & DOES NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST TO OPERATE. OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34" MIN. & 48" MAX. ABOVE THE FINISH FLOOR. WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED & USABLE FROM BOTH SIDES.

7. ICC/ANSI A117.1 - 2003 SECTION 404.2.8 DOOR OPENING FORCE. FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. THE MAXIMUM FORCE FOR PUSHING OPEN FOR PULLING OPEN DOORS OTHER THEN FIRE DOORS SHALL BE AS FOLLOWS: 1. INTERIOR HINGED DOOR: 5.0 POUNDS (22.2 N) 2. SLIDING OR FOLDING DOOR: 5.0 POUNDS (22.2 N) THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISengage OTHER DEVICES THAT HOLD THE DOOR IN A CLOSED POSITION.

8. ACTIVATION OF THE BUILDING AUTOMATIC SPRINKLER OR FIRE DETECTION SYSTEM, IF PROVIDED, SHALL AUTOMATICALLY UNLOCK ALL ELECTRONICALLY SECURED DOORS WITH IN THE EGRESS PATHWAY. THE DOORS SHALL REMAIN UNLOCKED UNTIL THE FIRE ALARM HAS BEEN RESET.

9. ENTRANCE DOORS IN THE BUILDINGS WITH OCCUPANCY IN GROUP A, B, E OR M SHALL NOT BE SECURED FROM THE EGRESS SIDE DURING PERIODS THAT THE BUILDING IS OPEN TO THE GENERAL PUBLIC.

Reflected Ceiling Notes:

1. COORDINATE THE WORK OF ALL TRADES INVOLVED IN THE CEILING WORK TO ENSURE CLEARANCE OF DUCTS, PIPING, CEILING SUSPENSION SYSTEM, ETC., NECESSARY TO MAINTAIN THE FINISHED CEILING HEIGHTS INDICATED ON ARCHITECT'S DRAWINGS.

2. PERIMETER CEILING ANGLE, WHERE OCCURS, SHALL BE INSTALLED TIGHT TO VERTICAL SURFACES, FREE FROM CURVES, BREAKS OR OTHER IRREGULARITIES AND PAINTED TO MATCH CEILING FINISH.

3. FURNISH AND INSTALL ALL ASSOCIATED TRIM AND SEISMIC BRACING AS REQUIRED.

4. LIGHT FIXTURES, NEW SPRINKLERS AND OTHER CEILING ELEMENTS SHALL BE CENTERED IN THE 2'X2' SECTION OF INDIVIDUAL CEILING TILES U.N.O. (EXIST. SPRINKLERS TO REMAIN UNLESS CONFLICT WITH NEW ELEMENTS).

5. PROVIDE CEILING ACCESS AS REQUIRED FOR EQUIPMENT AND SYSTEM MAINTENANCE, AND MATCH ADJACENT CEILING FINISH U.N.O.

6. ALL SOFFITS AND CEILING HEIGHTS ARE DIMENSIONED FROM TOP OF FINISHED FLOOR TO BOTTOM OF FINISHED GYPSUM BOARD OR CEILING TILE AND SHALL ALLOW FOR THICKNESS OF ALL FLOOR FINISHES.

7. THE REFLECTED CEILING PLAN INDICATES THE LOCATION OF CEILING HEIGHTS, LIGHT TYPES, LIGHT FIXTURES, AND ASSOCIATED ITEMS.

8. ALL SPECIFIC INFORMATION CONCERNING INSTALLATION FOR VARIOUS ABOVE-CEILING ELEMENTS ARE TO BE DESIGN BUILD, DOCUMENTATION BY OTHERS - PERMITTED SEPARATELY.

9. NOTIFY ARCHITECT OF ANY CONFLICTS OF LIGHT FIXTURE LOCATIONS WITH MAIN RUNNERS, DUCTS, STRUCTURES, HVAC, AND/OR (E)CONDUIT, PRIOR TO FRAMING FOR LIGHTS. ANY DISCREPANCIES BETWEEN ARCHITECT'S CEILING GRID LOCATION & ACTUAL FIELD CONDITIONS ARE TO BE CLARIFIED WITH THE ARCHITECT PRIOR TO FRAMING.

10. SUBMIT GRILLE, THERMOSTAT, AND OTHER FIXTURE AND ELEMENT LAYOUTS TO THE ARCHITECT FOR REVIEW AT LEAST 2 WEEKS PRIOR TO INSTALLATION.

11. VERIFY FIELD CONDITIONS AND LOCATIONS OF ALL PLUMBING, MECHANICAL DUCTS, STRUCTURAL ELEMENTS AND ALL OTHER RELATED ITEMS. INSTALL NEW PLUMBING, MECHANICAL, FANS, DUCTS, CONDUITS, AND OTHER RELATED ITEMS SO AS TO NOT CONFLICT WITH ANY/ALL FIELD CONDITIONS INCLUDING LUMINAIRE.

12. INSTALL NEW LIGHT FIXTURES WITH PROTECTIVE FILM OR SIMILAR COVER OVER LOUVER, LENS, BAFFLE, ETC. TO AVOID FUTURE SOILING OR DAMAGE. FIXTURES SHALL BE MAINTAINED CLEAN AND AS NEW. ALL LAMPS SHALL BE NEW AT PROJECT COMPLETION - RELAMP EXISTING FIXTURES.

13. CONTRACTOR TO VERIFY CODE COMPLIANCE OF EXISTING ACOUSTICAL CEILING GRID SYSTEMS AND ASSOCIATED SEISMIC BRACING RESTRAINTS. SYSTEMS FOUND NOT IN COMPLIANCE SHALL BE MODIFIED AND/OR NEW PROVIDED AS REQUIRED BY CURRENT BUILDING CODES (INCLUDING, BUT NOT LIMITED TO; CURRENT IBC WALL BOLDING (2" ANGLE) AND SEISMIC SEPARATION JOINTS).

14. CONTRACTOR TO VERIFY CODE COMPLIANCE OF ALL EXISTING LIGHTING FIXTURES AND ASSOCIATED SEISMIC BRACING RESTRAINTS. FIXTURES FOUND NOT IN COMPLIANCE SHALL BE MODIFIED AND/OR NEW PROVIDED AS REQUIRED BY CURRENT BUILDING AND/OR ENERGY COMPLIANCE CODES.

15. ALL EXISTING LIGHTS AND EGRESS LIGHTING LOCATIONS SHALL BE DETERMINED BY BUILDING AND FIRE INSPECTOR'S FIELD PLACEMENT DETERMINATION.

16. ALL SMOKE DAMPERS SHALL BE INSTALLED IN ACCORDANCE WITH IMC/IBC OR SUPERSEDING CODE. ALL FIRE DAMPERS SHALL BE INSTALLED IN ACCORDANCE WITH IMC/IBC OR SUPERSEDING CODE.

Finish Notes:

1. ALL AREAS TO RECEIVE CARPET AND BASE AS SCHEDULED U.N.O.

2. ALL AREAS TO RECEIVE RB-1 U.N.O.

3. ALL WALLS & PARTITIONS TO RECEIVE P-1 U.N.O.

4. PREP ALL EXISTING FLOOR SURFACES TO RECEIVE NEW FINISHES AS SCHEDULED.

5. PROVIDE PAINT APPLICATION APPROPRIATE TO THE SUBSTRATE TO WHICH IT IS TO BE APPLIED.

6. ALL EXPOSED GYP. BD. SURFACES, BOTH EXISTING AND NEW, ARE TO RECEIVE NEW PAINT FINISH. PREP ALL SURFACES AS REQUIRED FOR NEW PAINT FINISH. PROVIDE ONE PRIME COAT PLUS TWO FINISH COATS

7. CHANGES IN FLOOR MATERIALS THAT OCCUR AT FRAMED DOOR OPENINGS SHALL OCCUR AT THE CENTERLINE OF THE DOOR IN THE CLOSED POSITION.

8. ANY DECORATIONS USED SHALL BE NON-COMBUSTIBLE OR FLAME - RETARDANT TREATED IN AN APPROVED OF MANNER (CURTAINS, DRAPES, SHADES, HANGINGS, ETC.)

9. ALL INTERIOR PARTITIONS, CEILING FINISHES AND TRIM OF PUBLIC AREAS TO COMPLY WITH CLASS 1 MATERIAL CLASSIFICATION; FLAME SPREAD RATING 0 TO 25, SMOKE DEVELOPED 200. ALL INTERIOR WALL AND CEILING FINISHES AND TRIM OF NON-PUBLIC AREAS TO COMPLY WITH CLASS 2 MATERIAL CLASSIFICATION; FLAME SPREAD RATING 26 TO 75, SMOKE DEVELOPED 450.

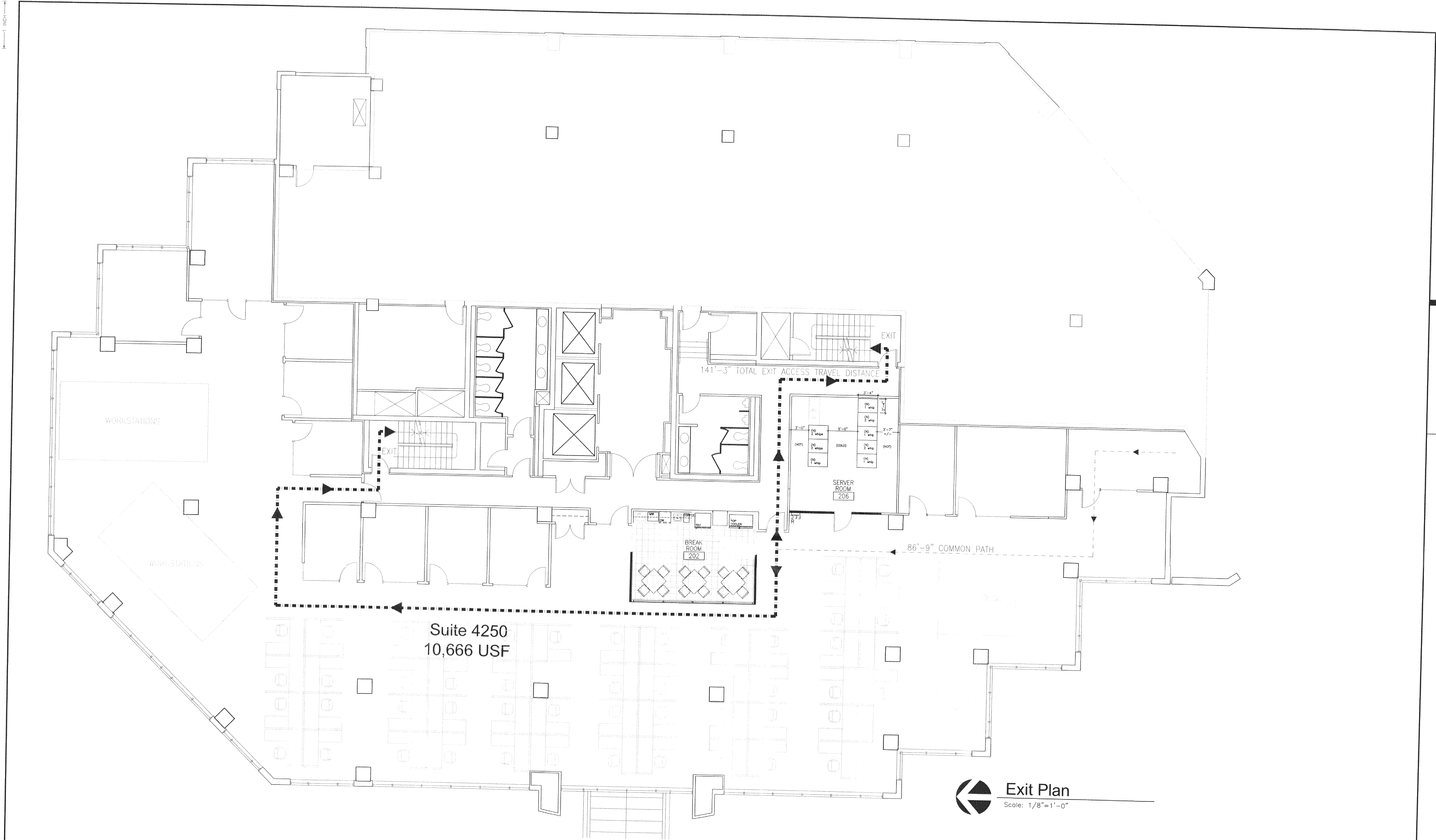
10. FLOOR COVERINGS OF PUBLIC AREAS TO MEET CLASS A INTERIOR FLOOR FINISH REQUIREMENTS; CRITICAL RADIANT FLUX OF 0.45 WATTS PER SQUARE CENTIMETER OR HIGHER. FLOOR COVERINGS OF NON-PUBLIC AREAS TO MEET CLASS B INTERIOR FLOOR FINISH REQUIREMENTS; CRITICAL RADIANT FLUX BETWEEN 0.22 WATTS PER SQUARE CENTIMETER AND 0.44 WATTS PER SQUARE CENTIMETER.

11. CARPET INSTALLATION TO MEET THE GUIDELINES OF THE CARPET AND RUG INSTITUTE-CRI CARPET INSTALLATION STANDARD-CURRENT EDITION.

12. PROVIDE FINISHED SCRIBE STRIPS AND FINISHED MILLWORK EDGES TO CREATE A FINISHED REVEAL CONDITION WHERE MILLWORK COUNTERS, CABINETS, ETC. "ABUT" ADJACENT PARTITION CONSTRUCTION. ALL EXPOSED REVEAL SURFACES AND EDGES TO HAVE SAME PLASTIC LAMINATE FINISH AS THE CASEWORK ITEM THEY "ABUT".

13. CONTRACTOR TO CLEAN AND REPAIR ALL EXISTING EXTERIOR GLAZING AND INTERIOR RELITE MINI-BLINDS WITHIN THE WORK AREA.





General Notes:

1. MEANS OF EGRESS ILLUMINATION:  
THE MEANS OF EGRESS (EXIT PATHWAY) AND THE EXIT DISCHARGE DOOR SHALL BE ILLUMINATED AT ALL TIMES THE BUILDING IS OCCUPIED AT AN ILLUMINATION LEVEL NOT LESS THAN 1-FOOT CANDEL (1 LUX) AT THE WALKING SURFACE LEVEL PER IBC 1006. LIGHTING MUST BE PROVIDED WITH EMERGENCY BATTERY BACK-UP PER IBC 1006.3.

Legend:

- "COMMON PATH OF EGRESS TRAVEL" IS LESS THAN 100'-0" (75'-0" FOR NO QUICK RESPONSE OR NON SPRINKLERED) AS ALLOWED FOR SPRINKLERED BUILDINGS WITH QUICK RESPONSE HEADS, PER 2006 IBC 1014.3, EXCEPTION #1.
- "TOTAL EXIT ACCESS TRAVEL DISTANCE" IS LESS THAN 300'-0" (200'-0" FOR NO QUICK RESPONSE OR NON SPRINKLERED) AS ALLOWED FOR SPRINKLERED BUILDINGS WITH QUICK RESPONSE HEADS.
- [3] DENOTES NUMBER OF OCCUPANTS

Code Notes:

- 1. 107 TOTAL OCCUPANTS ON FIRST FLOOR: 107/2 = 53 PER EXIT.
- 2. EGRESS EXIT WIDTH: PER IBC SECTION 1005.1: 107 X 0.3 = 32.1" MINIMUM EXIT WIDTH. ACTUAL PROVIDED: 68", (1) 36" DOOR AT EACH STAIRWELL.

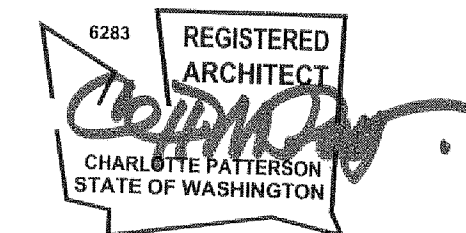
Exit Plan and Codes Summary

I-CS-1

JPC ARCHITECTS

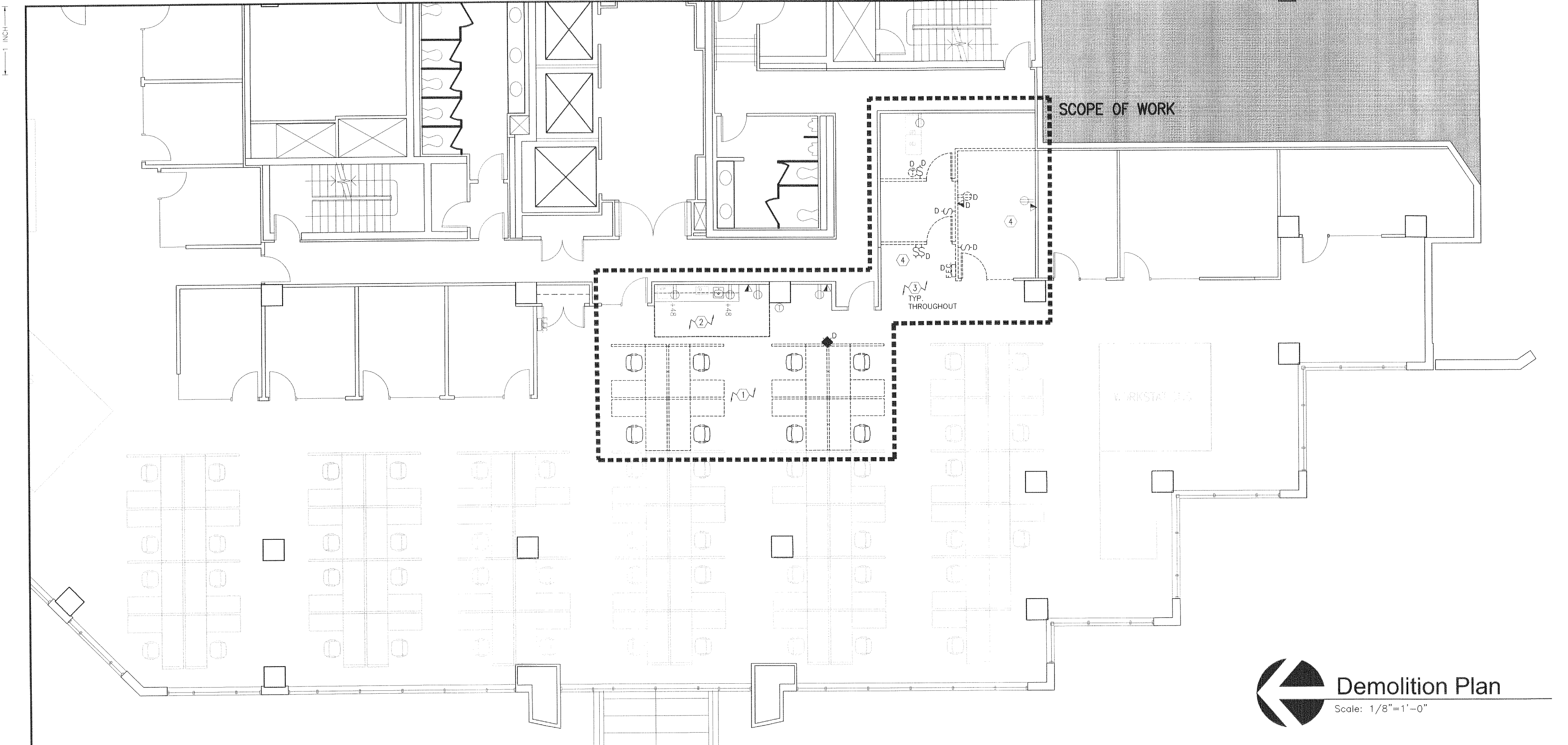
ServiceNow  
Carillon Point B4000  
Floor 2  
4250 Carillon Point  
Kirkland, WA 98033

DESIGN JPC  
DRAWN  
CHECKED  
NO. 12-100-0112

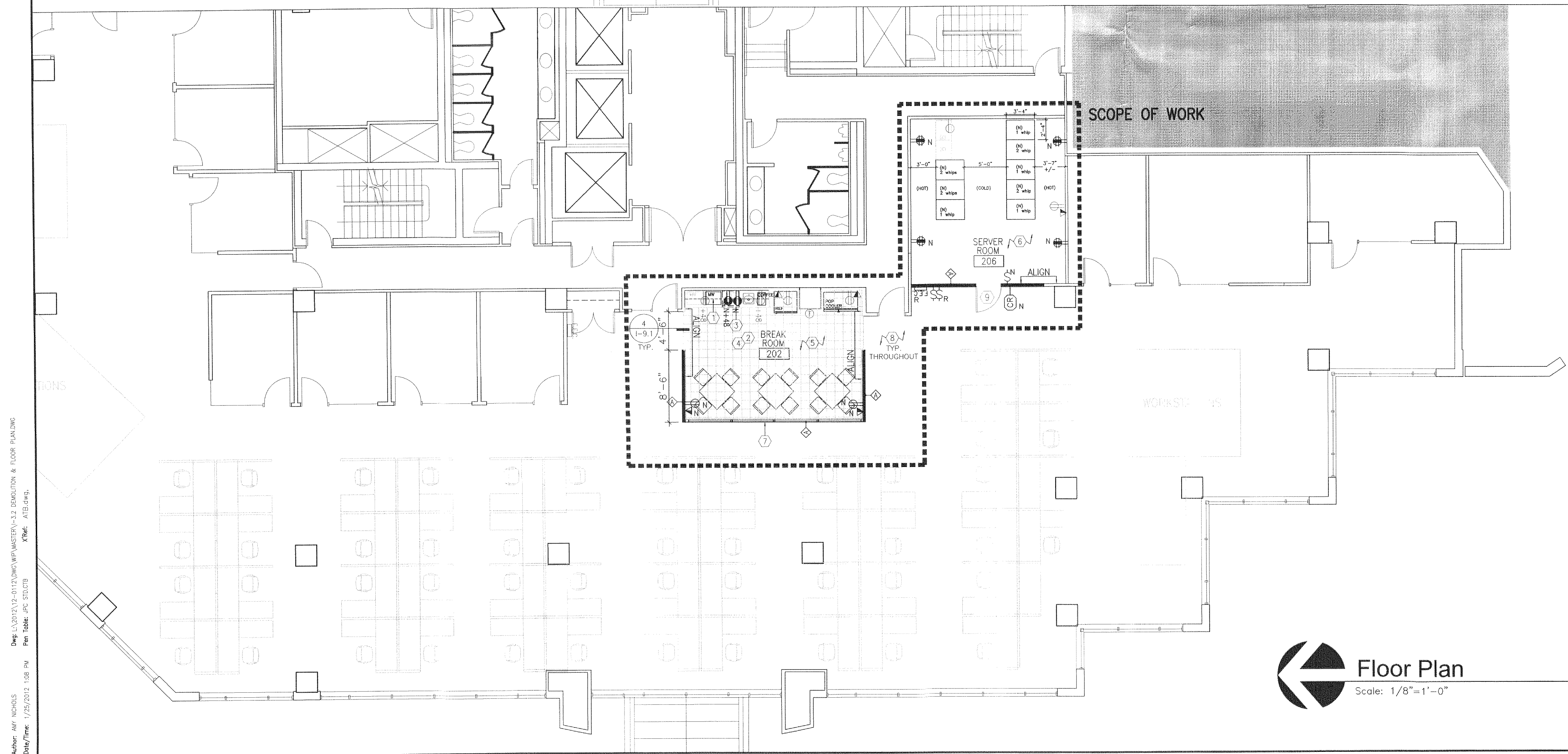


01/11/12 Space Plan  
01/17/12 Space Plan Approval  
01/25/12 Permit Set





**Demolition Plan**  
Scale: 1/8"=1'-0"



**Floor Plan**  
Scale: 1/8"=1'-0"

**Demolition Plan Key Notes:**

- 1 REMOVE EXISTING WORKSTATIONS AS SHOWN. PULL BACK WIRING AND REMOVE EXISTING POWER POLE AS NECESSARY TO KEEP REMAINING WORKSTATIONS FULLY FUNCTIONAL.
- 2 DEMOLISH EXISTING VCT FLOORING.
- 3 ALL LOW VOLTAGE CABLING TO REMAIN THROUGHOUT SUITE.
- 4 DEMOLISH EXISTING CARPET IN PREPARATION FOR NEW VCT IN EXPANDED SERVER ROOM.

**Existing Finish Specifications (VIF)**

<b>FLOORING</b>	
<b>CPT 1</b>	FIELD CARPET, U.N.O. MFR: DESIGNWEAVE STYLE NAME: DRIVE STYLE NO: Z6450 COLOR NO: COSMOPOLITAN 00152
<b>VCT 1</b>	VINYL COMPOSITION TILE MFR: MANNINGTON SERIES: SOLIDPOINT COLOR NAME: COOL BEIGE COLOR NO: 317
<b>BASE</b>	
<b>RB1</b>	TYPICAL BASE, U.N.O. MFR: ROPPE PRODUCT: 4" STRAIGHT COLOR NAME: CHARCOAL COLOR NO: P123
<b>GENERAL WALL PAINT</b>	
<b>P 1</b>	MFR: JCI COLOR: 724 EGGSHELL, SEMI-GLOSS @ WET AREAS (TYPICAL U.N.O.)
<b>CASE WORK</b>	
<b>PL1</b>	PLASTIC LAMINATE MFR: COLOR NAME: BOREALIS TEXTURED COLOR NO: 2801-T LOCATION: COUNTER TOP & BACKSPLASH
<b>PL2</b>	PLASTIC LAMINATE MFR: COLOR NAME: IVORY COLOR NO: 460-58 LOCATION: VERTICAL SURFACES

**Floor Plan Key Notes:**

- 1 ADD PLAM UPPER CABINETS (PLAM TO MATCH EXISTING VERTICAL FACES). ONE SECTION TO BE LOCKING.
- 2 GC TO PROVIDE THE FOLLOWING APPLIANCES: (1) FULL SIZE WHITE REFRIGERATOR WITH ICEMAKER, (1) MICROWAVE TO MATCH EXISTING (OR APFVD SUBSTITUTE), WHITE DISHWASHER, COFFEEMAKER WITH WATER LINE AND TRUE BEVERAGE COOLER WITH GLASS FRONT AND NO CASTERS (STD LEGS), MODEL GDM-49. PROVIDE CUT SHEETS FOR APPROVAL ON ALL APPLIANCES.
- 3 MODIFY LOWER CABINETS AS NECESSARY TO ACCOMMODATE NEW DISHWASHER. PROVIDE LOCKS ON ONE SECTION OF BASE CABINETS.
- 4 GC TO PROVIDE SNACK RACK - WHITE WIRE TO HOLD CEREAL & SNACKS ON COUNTER TOP THAT FIT INSIDE SHELVES FOR STORAGE.
- 5 PROVIDE NEW VCT TO MATCH EXISTING BEIGE BASE TILE COLOR IN BREAK ROOM. NEW RUBBER BASE AS NECESSARY TO MATCH EXISTING
- 6 EXTEND EXISTING VCT & RUBBER BASE IN SERVER ROOM
- 7 PROVIDE (4) 60"Wx30"H CLERESTORY FRAMED WINDOWS AT BREAK ROOM. REFER TO 6/I-9.1 FOR TEMPERED GLASS REQUIREMENTS.
- 8 TOUCH UP PAINT AS REQUIRED.
- 9 NEW WOOD DOOR TO MATCH ADJACENT

**Partition Legend:**

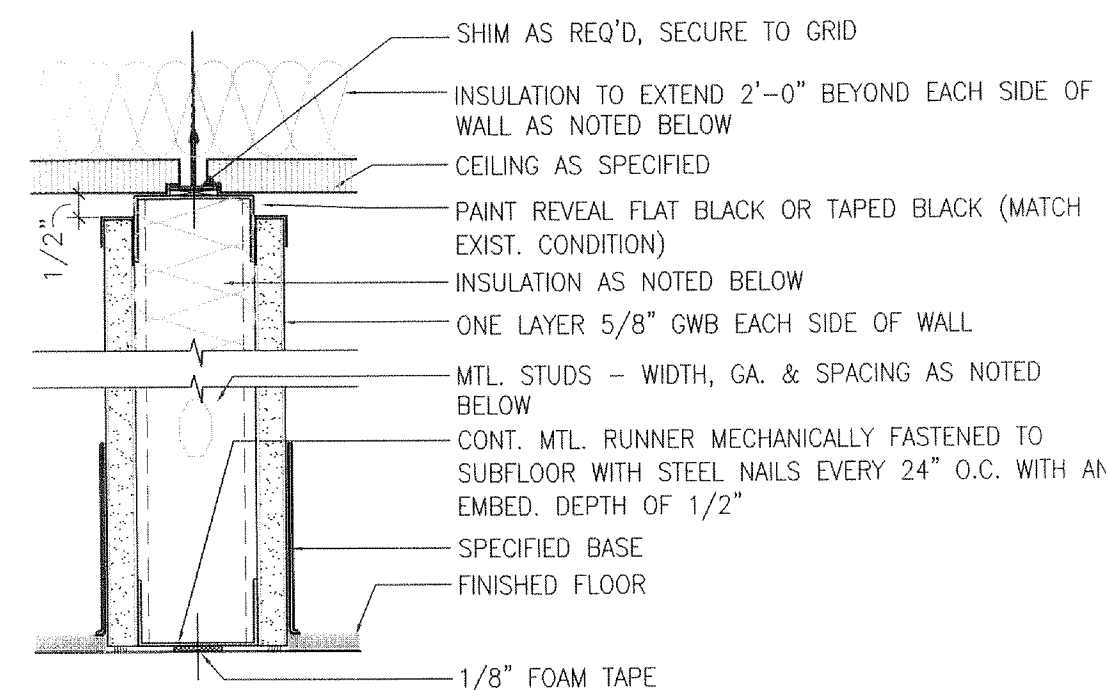
-----	EXISTING PARTITION TO BE REMOVED
=====	EXISTING PARTITION/CONSTRUCTION TO REMAIN
◆	NEW GRID HEIGHT PARTITION. REFER TO 2/I-9.1

**Symbols Legend:**

<b>F.E.C.</b>	BUILDING STANDARD FIRE EXTINGUISHER CABINET
⊕	DUPLEX RECEPTACLE
⊕	DEDICATED DUPLEX RECEPTACLE
⊕	GFI DUPLEX RECEPTACLE
⊕	FOURPLEX RECEPTACLE
⊕	DEDICATED FOURPLEX RECEPTACLE
⊕	SPECIAL RECEPTACLE
⊕	CORE DRILL
⊕	J-BOX FOR TENANT PROVIDED SYSTEMS FURNITURE.
⊕	POWER POLE
⊕	VOICE/DATA RECEPTACLE. CONTRACTOR TO PROVIDE MUD RING AND PULL STRING
<b>CR</b>	PROXIMITY CARD READER
◆	WALL TAG
NO DESIGNATION = EXISTING	
N = NEW &/OR RELOCATED (COORDINATE RELOCATED ITEMS W/ARCHITECT)	
D = DEMOLISH	

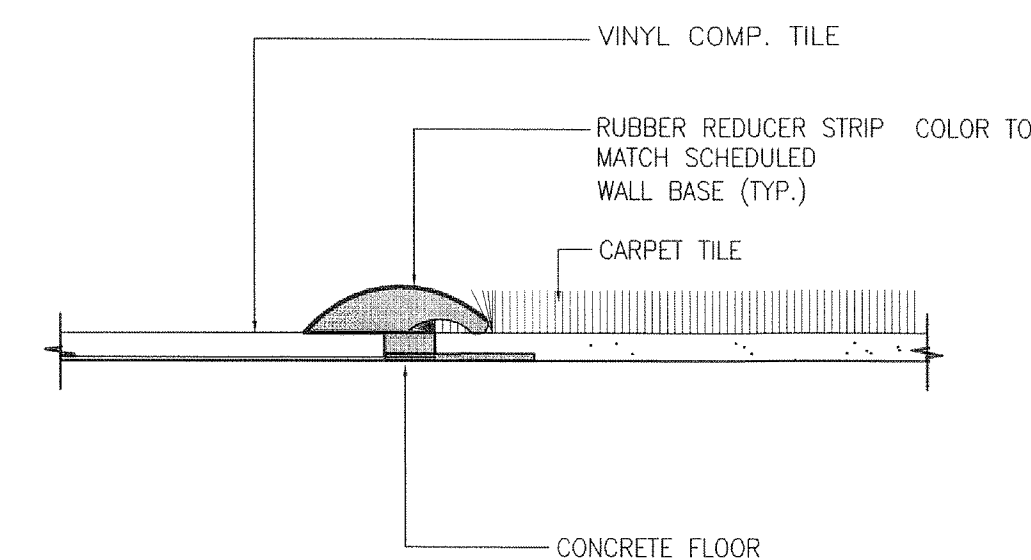
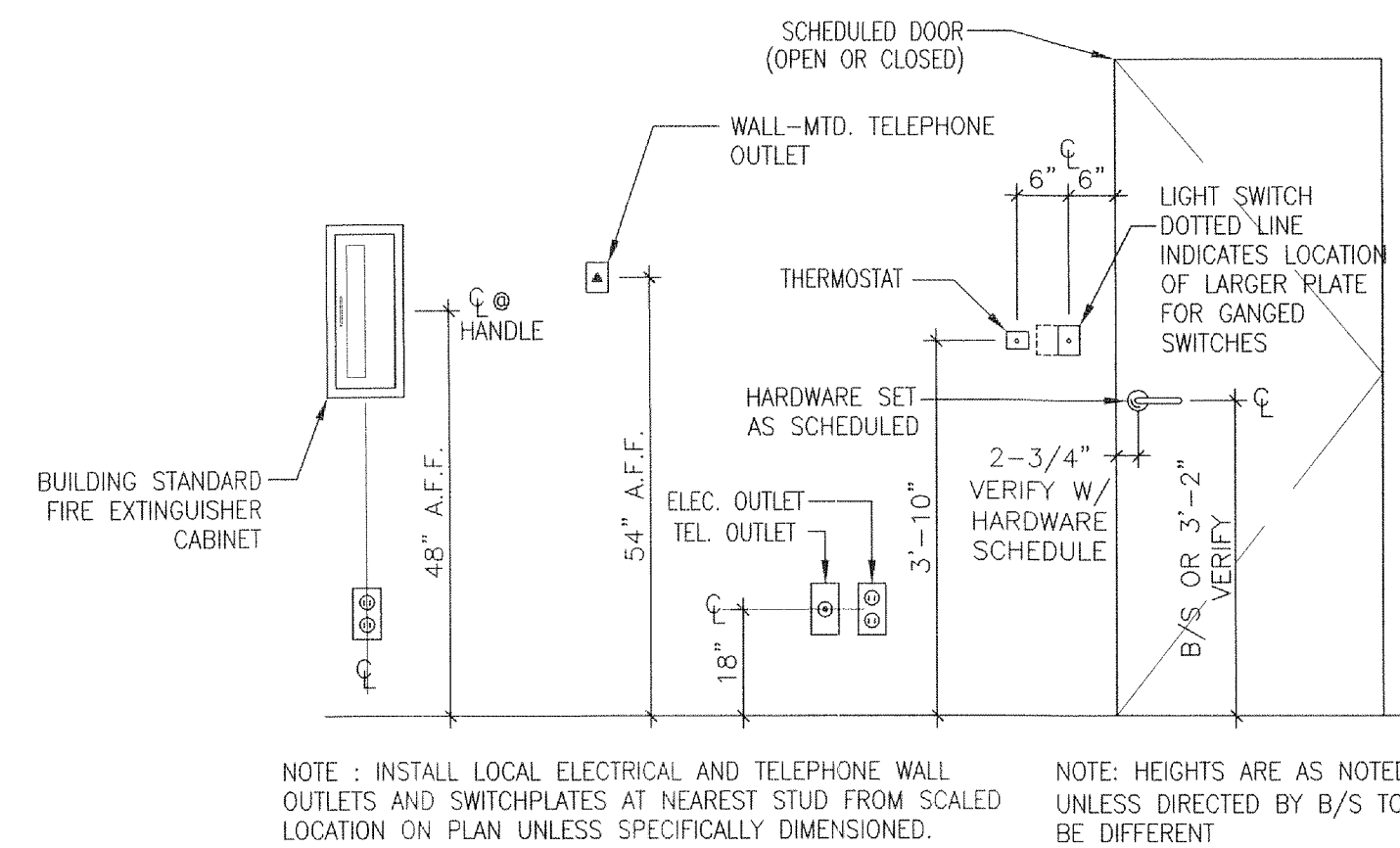


NOTES:  
-ASSUMED ALLOWABLE DEFLECTION =  $L/240$   
-PROVIDE STUD BRIDGING AS REQUIRED BY  
GOVERNING CODES AND REGULATIONS

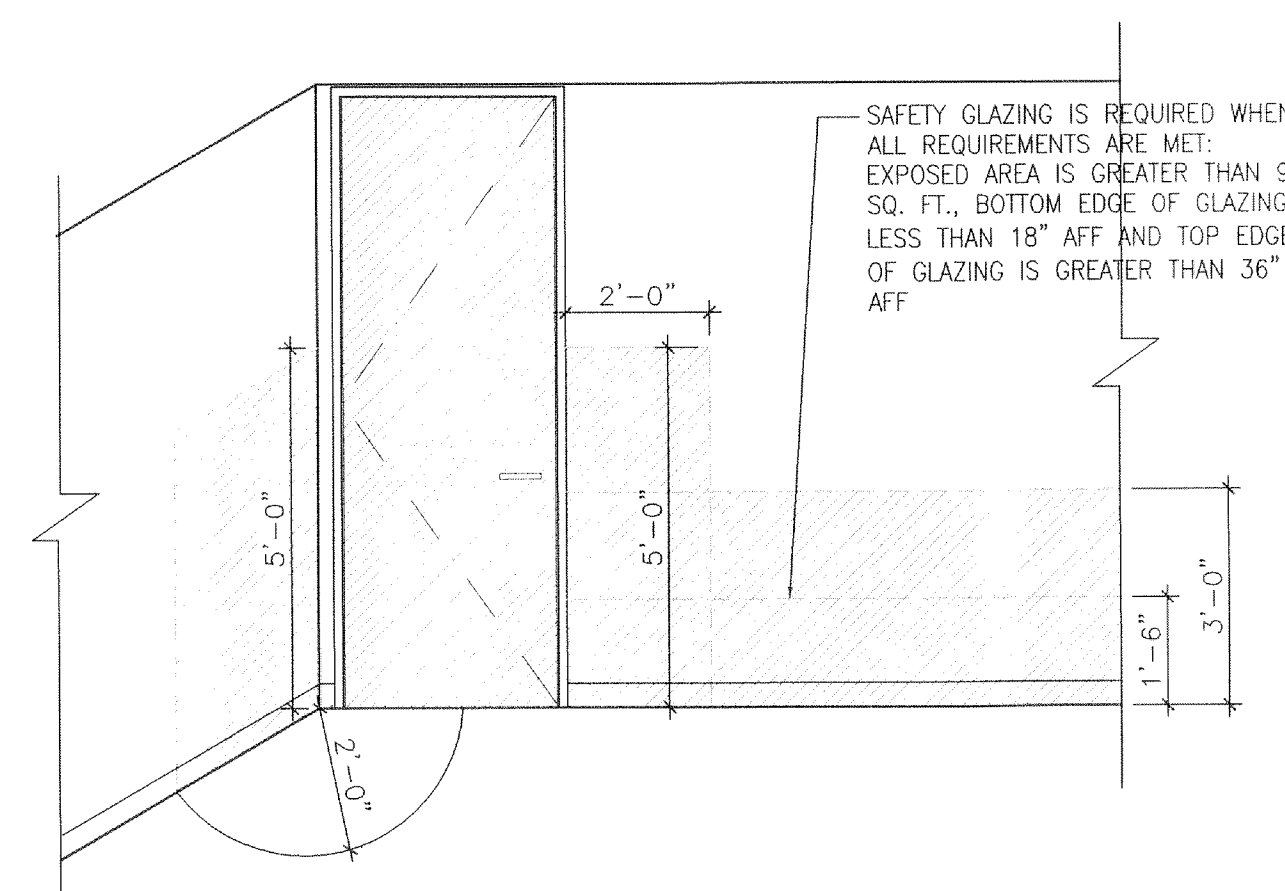
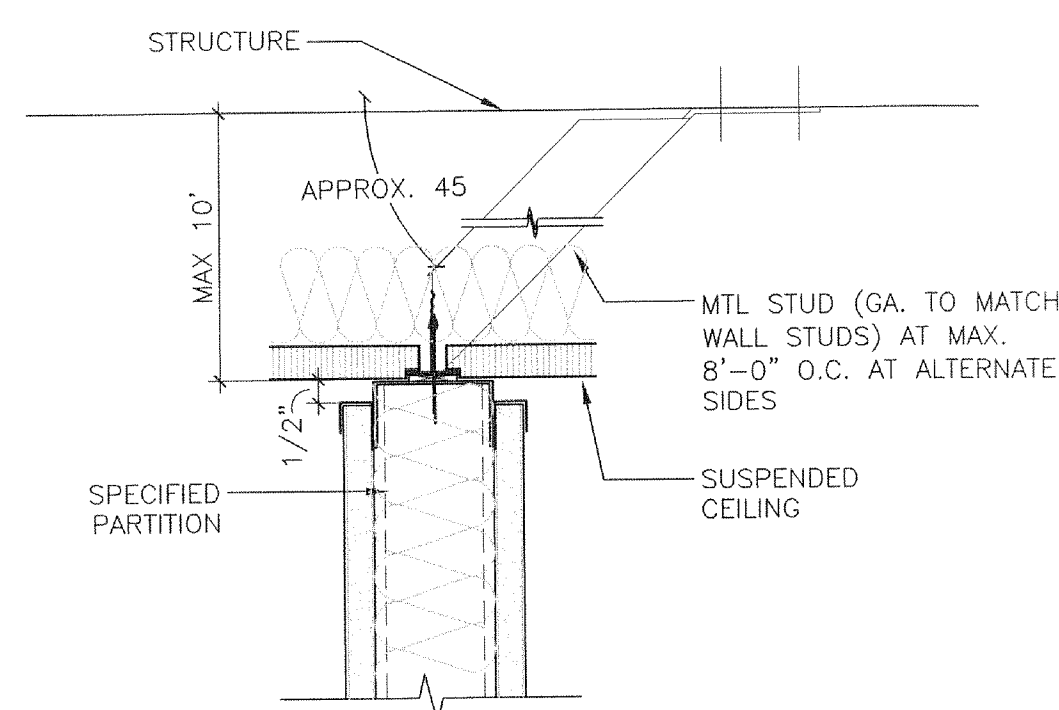


WALL TYPE	STUD SIZE	STUD GAUGE	STUD SPACING	WALL THICKNESS	INSULATION		FIRE RATING/ UL DESIGN NO.	COMMENTS
					WALL	CEILING		
A	2 1/2"	25 GAUGE	24" O.C.	3 3/4"	SB	SB		REF 5/1-9.1 FOR BRACING
-	-	-	-	-	-	-	-	-

\*SB= SOUND ATTENUATION BATTS      FR= FIRE RESISTIVE

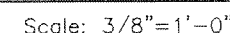
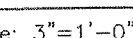


② Grid Ht. Partition



### 5 Partition Bracing Detail

## 6 Tempered Glass Locations



### 3 Typical Mounting Heights

#### 4 VCT to Carpet Transition

# JPC ARCHITECTS

909 112th Avenue NE Suite 206  
Bellevue, WA 98004

ServiceNow

Carillon Point B4000  
Floor 2  
4250 Carillon Point  
Kirkland, WA 98033

DESIGN	JPC
DRAWN	
CHECKED	
NO.	12-100-0112

[illegible]

## Construction Details & Elevations

## 1-9.1

CITY OF KIRKLAND APPROVED FOR SUBMITTAL					
	Initials / Date	Exp	FT	Reg	M/F
Building	<i>[Signature]</i> / 1/26	X			
Planning	<i>R</i> / 1/26	✓			
Public works	<i>WTA</i> / 1/26				

Do Not Route  
to PW

FINALED  
2/21/12

WONTAISO

NOTICE  
HOURS OF WORK: 7AM TO 6PM MON-FRI  
9AM TO 6PM SAT. NO WORK SUNDAYS &  
HOLIDAYS (PER K20 SEC. 115.25)  
Exceptions must be approved in  
writing by Planning Official

A SEPARATE ELECTRICAL  
PERMIT IS REQUIRED  
w/Plan Review  
*[Signature]* 1/30/12

BLD6 DEPT  
FILE COPY

CITY OF KIRKLAND BUILDING DEPARTMENT	
PERMIT #	BLD12-00042
ADDRESS	4250 CARILLON POINT
PLANS FOR	TENANT IMPROVEMENT - COMMERCIAL
PROJECT	SERVICE N&W COMM BLD 4000FL 2/11
OWNER	CARILLON PROPERTIES
DATE SUBMITTED	01/26/2012
DATE APPROVED	<i>[Signature]</i> 1/30/12
APPROVED BY	<i>[Signature]</i>

CHECK  
PARCEL  
FLAG

PCO dph